

UCLA Symposium on the Biology of Sarcomas
Beverly Emanuel, Joseph Madri, Richard Womer, Organizers
March 11-16, 1990

Program as of December 14, 1989

Sunday March 11:

Registration

Cocktails

Dinner buffet

Keynote speaker:

1. Timothy Triche (Children's Hosp. of Los Angeles): The role of tumor cell biology in sarcoma diagnosis, prognosis, and treatment.

Monday March 12:

8-11 am Plenary Session: Molecular cytogenetics

Goal: This session will highlight non-random genetic changes in sarcoma cells, and their relationships to tumor initiation and growth.

Speakers:

1. Felix Mitelman: Consistent cytogenetic changes in sarcomas
2. Stephen Friend (Mass. General Hosp.): The retinoblastoma locus and tumor suppression
3. Beverly Emanuel*(Univ. of Pa.): Cloning a translocation without a candidate gene
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4:30-10:30 (with dinner break): Plenary/Poster session: Molecular cytogenetics. Speaker and introducer: Eric Stanbridge (U.C. Irvine): Identification of tumor-suppressor loci in the human genome.

Tuesday March 13:

8-11 am Plenary Session: Gene Expression, Alteration, and Amplification

Goal: To explore the roles of specific genes in the genesis and growth of sarcomas, and methods of identification and analysis of such genes.

Speakers:

1. Stuart Aaronson (NIH): Growth factor related oncogenes in sarcomas
2. Mark Israel* (UCSF): Tumor phenotypes and oncogene expression
3. Igor Roninson (Univ. of Illinois): Multidrug resistance in cancer: molecular mechanism and analysis in sarcomas
4. John Vogel (Holland Labs, Am. Red Cross): HIV TAT gene induces dermal lesions resembling Kaposi's sarcoma and liver tumors in transgenic mice.

4:30-10:30 Plenary/Poster Session: Gene Expression, Alteration, and Amplification. Speaker and introducer: Michael Gottesman (NIH): Amplification, alteration, and expression of the multiple drug resistance genes.

Wednesday March 14:

8-11 am: Growth Factors and Tumor/Stroma Interactions

Goal: To explore how aberrations in growth factor production, secretion, and mitogenic pathways promote sarcoma cell growth.

Speakers:

1. Thomas O. Daniel (Vanderbilt): Endothelial PDGF β /c-sis expression: Hetero-

geneity of transcripts and transcriptional control.

2. Kathleen Flanders (NIH): TGF β and regulation of connective tissue cell behavior

3. Joseph Madri*(Yale): Interactions between tumor cells, vascular cells, and extracellular matrix

4. Garth Nicolson (MD Anderson Hospital): Molecules involved in tumor cell-endothelial cell adhesion and organ specificity of metastasis

4:30-10:30 pm: Plenary/Poster Session: Growth Factors and Tumor/Stroma Interactions. Speaker and Introducer: Charles D. Stiles (Dana-Farber): Regulation of gene expression by platelet-derived growth factor.

Thursday March 15:

8-11 am: Future Directions in Diagnosis, Prognosis, and Treatment

Goal: To apply new biological knowledge and technology to the diagnosis, classification, and treatment of sarcomas.

Speakers:

1. Juan Rosai (Yale): Diagnosis of sarcomas: current status and future directions

2. Timothy Triche (Children's Hosp. LA.): Molecular diagnosis of small round cell tumors

3. John Brooks* (Univ. of Pennsylvania): Growth-related molecules as diagnostic markers

4. A. Thomas Look (St. Jude Children's Res. Hosp.): Clinical implications of genetic abnormalities found in childhood sarcomas

Evening: cocktails and banquet

Friday March 16: Departure

* denotes session convener